THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) The Government has put in place a conducive policy regime to attract foreign investment in renewable energy sector. 100% Foreign Direct Investment is allowed in Renewable Energy sector and structures have been put in place to facilitate power trading, open access etc. The Government has also approved a Generation Based Incentive scheme for wind power projects for investors, specially foreign, who cannot avail of the benefit of accelerated depreciation available to domestic investors. Jawaharlal Nehru National Solar Mission has also been approved recently which is also expected to provide ample opportunities to foreign companies to set up advanced manufacturing facilities in solar energy sector as well as to investors for large-scale capital investment in solar power generation.

Non-conventional energy sources in Goa

2721. SHRI SHANTARAM LAXMAN NAIK: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Goa Government has sent any proposal regarding the use of non-conventional energy sources in the State;

(b) if so, the nature of the proposal, cost involved and the decision taken, if any, by Government in this regard;

(c) whether any scheme regarding non-conventional energy sources is in force in the State; and

(d) if so, the details of the financial assistance given, its utilization and the results achieved?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) Yes, Sir. Details of various proposals submitted by the Goa Energy Development Agency (GEDA) for sanction of eligible financial assistance under various renewable energy programmes of the Ministry during the current financial year (2009-10) along with decision taken/status thereof are given in the Statement-I (*See* below).

(c) All schemes/programmes of the Ministry for promotion of various renewable energy sources are applicable throughout the country, including the State of Goa.

(d) Central financial assistance totaling Rs.2.53 crore under various renewable energy schemes/programmes has been provided to Goa Energy Development Agency during the 11th Plan period upto 30.11.2009. Details of achievements reported by the Agency are given in Statement-II.

Statement-I

Status of Proposals Received from Goa Energy Development Agency during the current financial year (2009-10)

S.No.	Proposal received	CFA sanctioned/ released (Rs/in lakh)	Status/Remarks
1	Monitoring Report charges for 4 Wind-Solar Hybrid systems	50.20 sanctioned 0.60 released	–
2	Celebration of RGAUD'2009	4.50 sanctioned 3.75 released	–
3	SPY + Wind Hybrid Power Systems (250 kW)	420.00 sanctioned	–
4	I&PA activities.	3.00 sanctioned 3.00 released	-
5	Programme on Development of Solar Cities -Preparation of Master Plan & Allied Activities	43.30 *	*In-principle approval has been accorded by the Ministry.
6	Remote Village Electrification (RVE) - provision of 89 HLS and 29 SLS.	CFA sought; Rs.271akh. The proposal was not in accordance with provisions of the programme. GEDA has been advised to recast the proposal.	
7	Deployment of various Solar Photovoltaic Systems/ Devices in urban areas	CFA sought: Rs.187.20 lakh. The proposal was not in accordance with provisions of the SPY Programme. GEDA has been advised to submit proposal in project mode.	
8	Special Area Development Programme (SADP)	CFA sought: Rs.965 lakh. State Agency has been advised to submit specific proposal along with DPR as per the provision of the scheme.	

Statement-II

Details of cumulative achievements made under various renewable energy programme as on 31.10.2009 in Goa

S.No.	Source / System	Cumulative Achievement (as on 31.10.2009)
1	2	3
A.	**Grid Interactive Power**	
1.	Small Hydro Power (up to 25 MW)	0.05 MW
2.	Biomass Power/ Cogeneration.	

1	2	3
B.	**Off-grid/ Decentralized Systems.**	
3.	Remote Village Electrification	118 completed/ 137 ongoing
4.	Family Type Biogas Plants	3862 nos.
5.	Solar Photovoltaic Systems	
	i. Solar Street Lighting Systems	293 nos.
	ii. Home Lighting Systems	273 nos.
	iii. Solar Lanterns	603 nos.
	iv. SPV Power Plants	1.72kWp
6.	Solar Cookers	1500 nos.
7.	Aero-generators /Hybrid Systems	68.80 kW
8.	Solar PV Pumps	15 nos.
9.	Energy Parks	2 district level / 1 state level

MW = Megawatt, kW = Kilowatt, kWp = Kilowatt peak, Nos. = numbers

Wind energy potential

2722. PROF. P.J. KURIEN : Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the wind energy potential in the country;

(b) the amount of wind energy generated so far and the wind energy being pollution - free whether there is any action plan to tap its entire potential; and

(c) if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) The country's wind power potential has been estimated be 48,000 MW.

(b) and (c) A total of 10,904 MW wind power capacity has been installed in the country so far. Government has been promoting commercial grid connected wind power projects through private sector investment in wind potential states by providing fiscal incentives, loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. Technical support, including detailed wind resource assessment to identify further potential sites, is provided by Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided to increase wind energy investment in the potential States. Recently, Government has approved a Generation Based Incentive for wind power projects to run concurrently with the benefit of accelerated depreciation but in a mutually exclusive manner during the 11th Plan.